

Abstract

MELT PROCESSABLE POLY(ETHYLENE OXIDE) FIBERS

5 Melt processable, flushable polymer fibers and methods of
making melt processable, flushable polymer fibers are disclosed. The fibers
comprise poly(ethylene oxide). Preferably, the poly(ethylene oxide) is
modified by grafting polar vinyl monomers, such as poly(ethylene glycol)
10 methacrylate and 2-hydroxyethyl methacrylate, onto poly(ethylene oxide).
The modified poly(ethylene oxide) has improved melt processability and can
be used to melt process poly(ethylene oxide) fibers of thinner diameters.

C 15
C 15
C 15